

METHODS AND APPARATUS FOR FILM
COOLING GAS TURBINE ENGINE COMBUSTORS

ABSTRACT OF THE DISCLOSURE

A method facilitates assembling a combustor for a gas turbine engine. The method includes providing a dome assembly that includes at least one cooling slot lip and at least one filler projection, wherein a gap defined between the cooling slot lip and the at least one filler projection has a height defined between cooling slot lip and the at least one filler projection that is substantially uniform through the gap. The method also includes coupling a liner assembly to the dome assembly, such that a combustion chamber is defined by the liner assembly, and coupling an inner and an outer support to the dome assembly, such that the dome assembly extends between the inner and outer supports..